



Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

South Wyaconda River

Waterbody Segment at a Glance:

County: Clark, Scotland
Nearby Cities: Arbela
Length of Impairment: 9 Miles
Pollutant: Manganese
Source: Natural sources

Note: This river is also listed for Sediment; see Sediment Information Sheet



State map showing location of watershed

TMDL Priority Ranking: Low

Description of the Problem

Beneficial uses of South Wyaconda River

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Protection of Human Health associated with Fish Consumption
- Drinking water supply (for the segment between the Scotland/Clark county line to Section 4, Township 65N, Range 10W, in the vicinity of Arbela)

Use that is impaired

- Drinking Water Supply

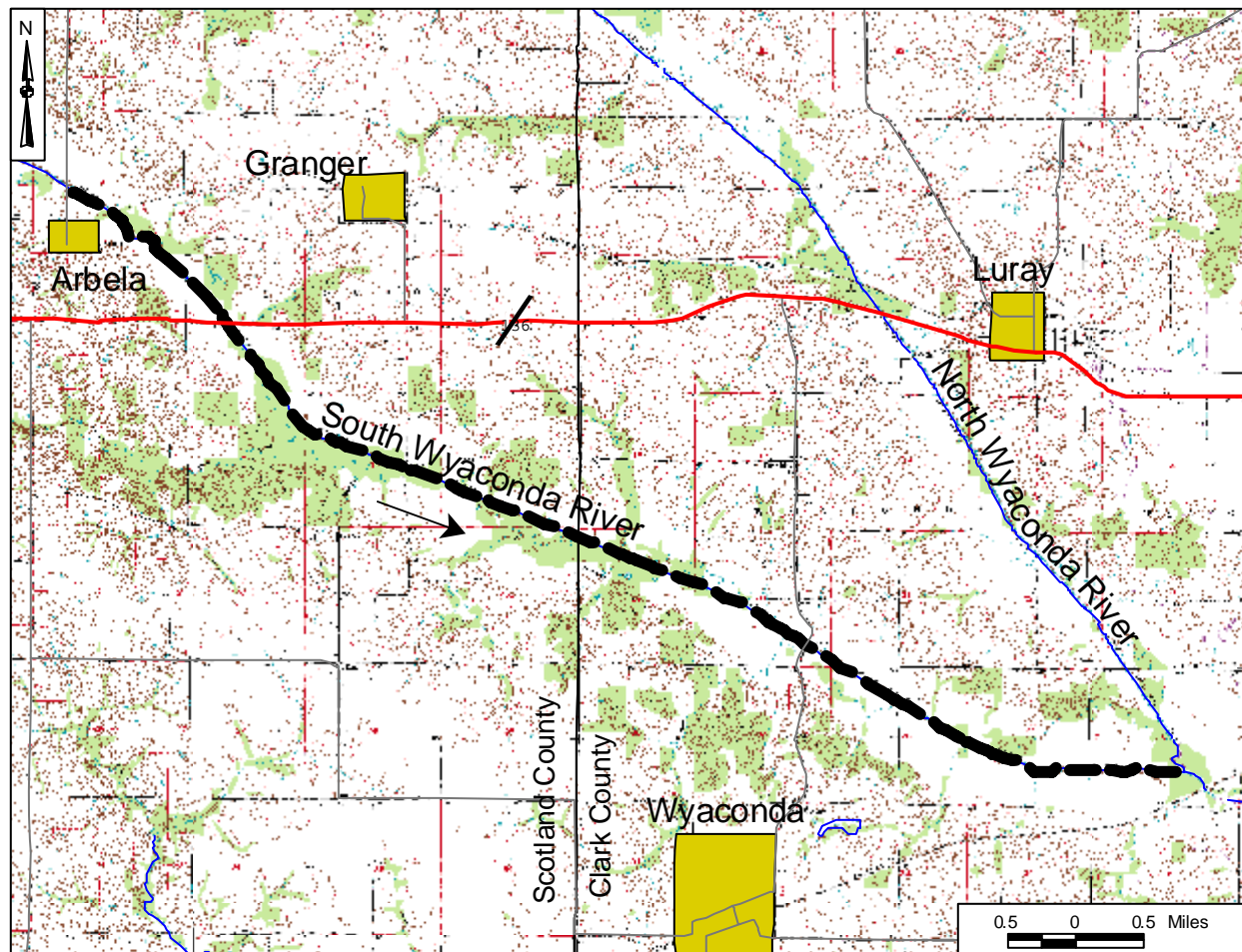
Standards that apply

- Missouri Water Quality Standards in 10 CSR 20-7.031 Table A give 50 µg/L as the maximum amount of manganese allowed for Drinking Water Supplies. This is an aesthetic standard that seeks to protect a water supply against possible taste, odor and laundry staining problems caused by excessive amounts of manganese. Exceedence of this standard is not a threat to human health.

Background Information

Manganese does not present any human health hazards, but is responsible for offensive tastes and appearances in drinking water, as well as staining laundry and fixtures. It can react with tannins in coffee, tea and in other beverages, producing a black sludge, which affects both taste and appearance. Manganese causes a brownish-black staining of laundry, porcelain, dishes, utensils and glassware. Soaps and detergents do not remove the stains, and use of chlorine bleach can intensify the stains. Manganese can build up in pipelines, pressure tanks, water heaters and water softeners and causes equipment problems and energy cost increases due to mineral deposits.

Impaired Segment of South Wyaconda River in Scotland and Clark Counties, Missouri



— — — Impaired Segment

—————> Direction of Flow

For more information call or write:

Missouri Department of Natural Resources

Water Protection Program

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